

### **Selected Summary Report: “SSI - % of positive cultures with MRSA Isolated”**

Many people ask about MRSA as a cause of surgical site infections. This summary includes only infections entered into NHSN with a positive culture and the percentage of those positive cultures that were MRSA positive. The summary does not include the number of infections with negative cultures or those where a culture was not performed. The data show that while MRSA is a significant cause of SSIs, it is important to use prevention strategies that focus on preventing all infections and not just those caused by one organism.

| <b>*Surgical Site Infections: % of positive cultures with MRSA isolated</b>            |
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| <b>Table 8</b>   |
| <b>Data submitted to the NHSN by SC Hospitals</b>                                      |
| **CABG, and Hysterectomies (Abdominal and Vaginal) - July 1, 2007 to November 30, 2008 |
| **Gallbladder, Hip and Knee Replacements from January 1, 2008 to November 30, 2008.    |
| Data reports entered as of January 29, 2009.   |

| Type of Surgery        | Number of Infections with Positive Cultures | Number of MRSA Positive | % MRSA Positive |
|------------------------|---|-------------------------|-----------------|
| CABG                   | 83  | 15                      | 18.1            |
|                        |   |                         |                 |
| Gallbladder            | 42  | 11                      | 26.2            |
|                        |   |                         |                 |
| Hip Replacement        | 65  | 22                      | 33.8            |
|                        |   |                         |                 |
| Knee Replacement       | 58  | 8                       | 13.8            |
|                        |   |                         |                 |
| Abdominal Hysterectomy | 76  | 18                      | 23.7            |
|                        |   |                         |                 |
| Vaginal Hysterectomy   | 15  | 2                       | 13.3            |

\* Includes only those infections with a positive culture.

\*\*CABG, Gallbladder surgery with clips, and Hip and Knee Replacement SSI are preliminary. These surgeries must be followed for one year and final data will not be available until early in 2010.